

Herculaneum Lead Monitoring Results (January- March 2005)

January 2005	Dunklin H.S. #1	Dunklin H.S. #2	Bluff	Main Street	Broad Street	Thurwell Street #1
1	.345	.323	.112	1.203	.94	.223
2				.295	.455	
3				.394	.476	
4	0	0	.031	.213	1.29	.048
5				.09	0	
6				.06	0	
7	.095	.104	.058	2.809	1.829	.525
8				.149	.059	
9				2.799	.533	
10	.075	.077	NS	4.702	3.412	.745
11				.614	.374	
12				.41	.583	
13	.291	.334	.221	8.087	1.549	1.462
14				0	.098	
15				0	.072	
16	0	0	.077	.047	.057	.035
17				.111	1.34	
18				3.969	3.036	
19	0	0	.067	.036	.389	0
20				1.681	1.761	
21				1.968	2.711	
22	.095	.163	.143	.197	.176	.075
23				.977	.851	
24				.089	.111	
25	.243	.241	.876	1.308	2.556	.483
26				0	.038	
27				.138	4.54	
28	.042	.043	.052	1.827	14.463	.229
29				.035	.697	
30				.043	.604	
31	.113	.113	.078	.395	.661	NS
January Average	.118	.127	.172	1.118	1.473	.383

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Superfund

February 2005	Dunklin H.S. #1	Dunklin H.S. #2	Bluff	Main Street	Broad Street	Thurwell Street #1
1				.307	1.177	
2				0	.045	
3	0	0	.069	0	0	NS
4				1.833	.857	
5				2.74	1.204	
6	.886	.894	.043	4.135	.725	1.073
7				.74	.759	
8				.05	.19	
9	0	0	NS	0	.036	0
10				.038	.033	
11				.034	0	
12	.191	.153	.093	.147	.058	0
13				.284	.145	
14				.342	.574	
15	.247	.216	1.328	.486	.373	.177
16				0	0	
17				.043	.111	
18	0	0	.043	.171	2.265	.042
19				8.278	3.455	
20				1.293	.058	
21	0	0	.031	.055	1.9	0
22				.076	.071	
23				.466	3.087	
24	0	0	0	0	.094	0
25				.031	.056	
26				.336	1.568	
27	0	0	.041	.339	.591	.04
28				.076	.053	
February Average	.147	.140	.206	0.796	0.696	.167

March 2005	Dunklin H.S. #1	Dunklin H.S. #2	Bluff	Main Street	Broad Street	Thurwell Street #1
1				.066	0	
2	.079	.069	.204	.517	3.325	.06
3				3.147	5.834	
4				0	.069	
5	NS	.032	.096	.039	.129	0
6				0	.065	
7				0	.03	
8	NS	0	.032	0	.035	0
9				.212	.315	
10				.056	.183	
11	.036	0	.134	.058	.054	NS
12				.132	.482	
13				0	.043	
14	0	0	.035	.086	.424	NS
15				3.117	3.251	
16				.74	2.532	
17	.670	.661	.892	.912	.582	.035
18				1.504	1.616	
19				.042	.053	
20	.120	.106	.102	1.084	4.496	.169
21				1.712	32.887	
22				.248	35.834	
23	0	0	.035	0	.168	0
24				2.897	2.827	
25				.570	2.444	
26	0	0	0	0	.072	0
27				0	.045	
28				.365	.399	
29	1.901	1.463	.279	3.574	4.222	.383
30				.980	1.276	
31				.062	.084	
March Average	.351	.233	.181	.714	3.348	.081
2005 1 st Qtr Avg.	.194	.166	.185	.879	1.877	.223

*** National Ambient Air Quality Standards (NAAQS)**

1. **Lead (Pb) Standard-** 1.5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) based on a quarterly (3-month) averaging time with a minimum of 15 samples taken. Samples are collected for a 24-hour period every sixth day. Note- the department conducts Lead monitoring at the Herculaneum sites on a more frequent interval (i.e. daily at the Broad Street and Main Street (city hall) monitors).
2. **Sulfur Dioxide (SO_2)-** 0.14 parts per million (ppm) for a 24-hour averaging time, 0.03 ppm for a 1 year averaging time
3. **Rolling three-month average Lead (Pb) values** are for informational purposes only. The lead standard is not set up on rolling three month averages, a set quarter system must be used as per the NAAQs monitoring methods. (i.e. January- March, April-June, July-September and October- December) Refer to the Quarterly Averages for the values used to determine compliance with the NAAQS limits.
4. **Sulfur Dioxide (SO_2) monitoring results** are down loaded quarterly. Validation of the sample results is conducted after a full quarter of data has been collected.